Maximize your reservoir understanding through seamless interpretation of seismic and geological data

In recent GeoGraphix releases, seismic interpretation speed and capability have been radically improved, offering larger memory access and up-front well loading optimization. Improved integration with depth geomodels enable the G&G professional to easily depth convert faults & incorporate into a sealed earth model as well as combining seismic interpretation data & well picks into the geomodel. Enhancements to velocity modeling and depth conversion make it easier to depth convert seismic with velocity models generated from defined horizon-formation top relationships through multiple methods.

**Geophysics Capabilities**

**SeisVision**

SeisVision™ software is a powerful, fully integrated 2D and 3D seismic interpretation system that provides a full range of fit-for-purpose interpretation capabilities, attribute analysis and mapping tools. Whether you are exploring complex structural areas or looking for subtle stratigraphic traps, SeisVision™ software has the tools to help today’s geoscientists find the solution.

**LogM Advanced Synthetics**

LogM™ Advanced Synthetics software is the industry standard for seismic synthetic generation. It provides geoscientists with all the tools necessary to accurately tie well control to seismic data. Users can quickly link geological and seismic data and then view the predicted seismic response to the geological concept away from the well. This capability can dramatically improve interpretation accuracy and minimize uncertainty when determining the next well location.

LogM™ software is integrated directly with SeisVision™ 2D and 3D software to enhance the accuracy and confidence of your geophysical interpretation. The seismic trace data and the synthetic data can be compared in real time with no cumbersome import/export to merge the data and make the final connection. The LogM™ software is sold as a stand-alone application and includes modules for fluid substitution, cross-section editing, interactive stratigraphic modeling, and advanced synthetics.
LogM Modeling
The LogM™ Modeling package is an add-on to the Advanced Synthetics package and includes industry-standard stratigraphic and structural modeling. Stratigraphic models are easily generated from the cross-section view and include the formation correlations. Subtle changes can be input to the model and the corresponding seismic response quickly observed in SeisVision™.

LMKR Volume Attributes
A 3D volume attribute generation tool which integrates seamlessly with GeoGraphix and includes both trace-based (sample, window, and Hilbert) and frequency-based attributes. It includes a full suite of semblance- and curvature-based attributes which are so critical to optimal understanding and visualization of reservoirs in today's plays. All of the frequency-based attributes use a patented spectral decomposition technique for higher resolution results. Expression based attribute capabilities allow users to refine or create their own custom attributes as mathematical combinations of other attribute volumes.

Requirements

Hardware (MINIMUM)
- 2.4GHz 64-bit Intel class or better
- 4GB RAM
- 1,024 x 768 graphics resolution
- CD-ROM drive
- 19-inch monitor

Hardware (RECOMMENDED)
- Quad 2.4 GHz 64-bit Intel class or better
- 16 GB RAM or greater
- NVIDIA GeForce or Quadro - 2GB video RAM
- DVD-RW drive
- Dual 21+-inch monitors

Software
- Microsoft®.NET 4.5
- Microsoft® DirectX 11

Operating System(s)
- Windows® 7 Professional x64
- Windows® 7 Enterprise x64
- Windows® 7 Ultimate x64